

FIG. 1

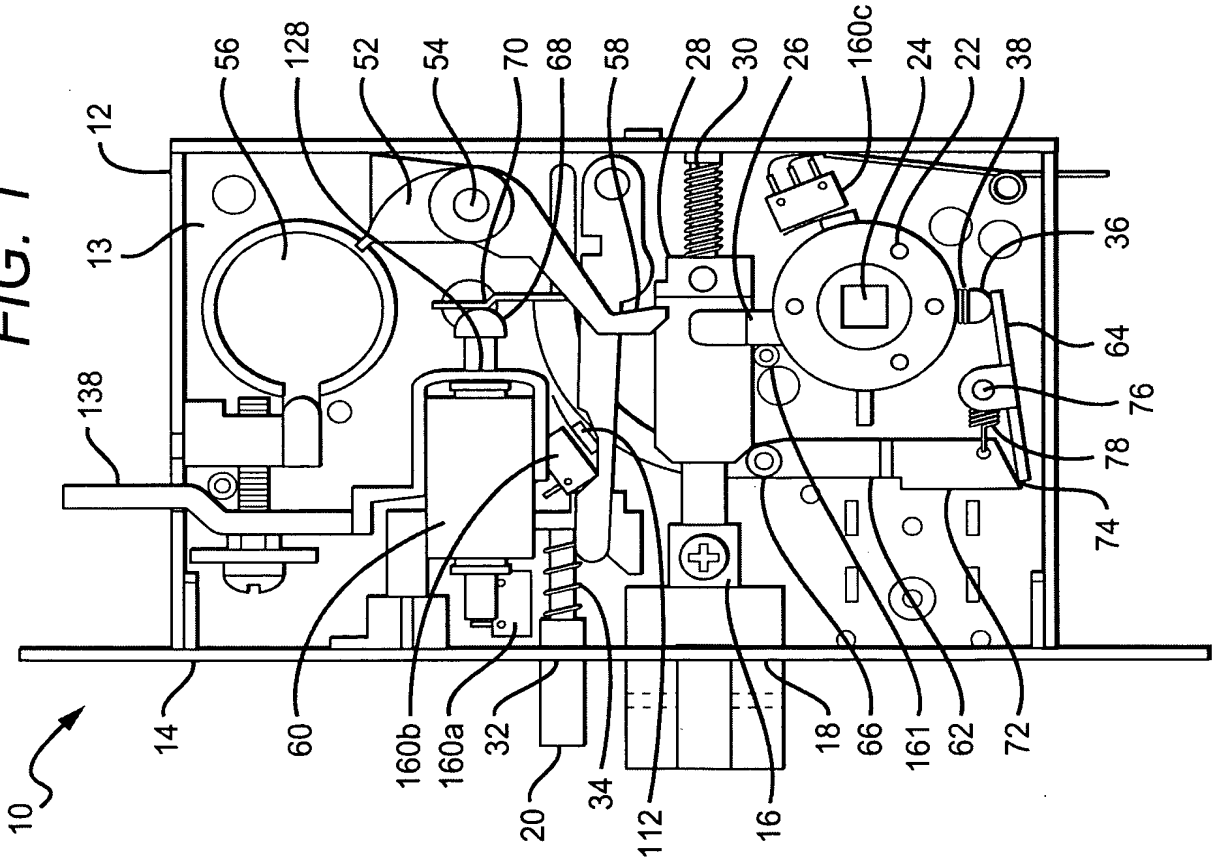
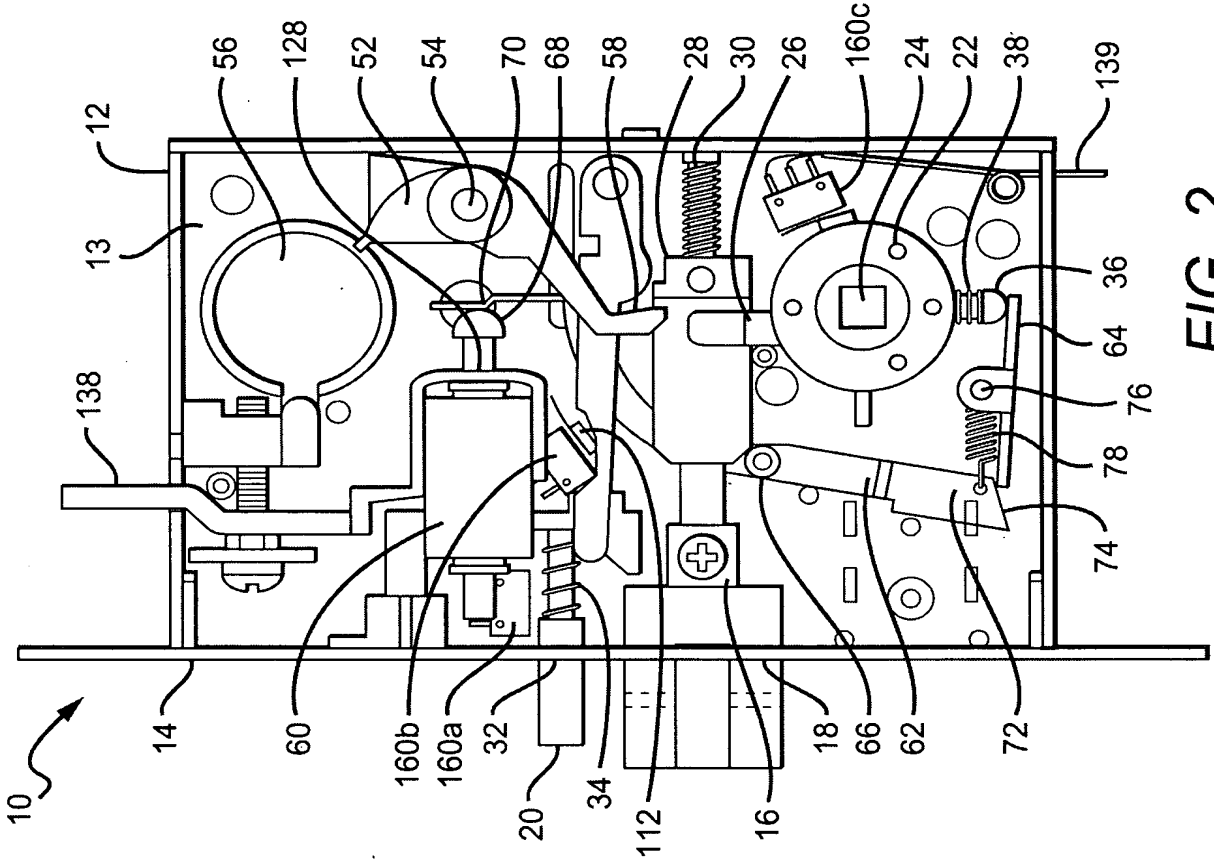


FIG. 2



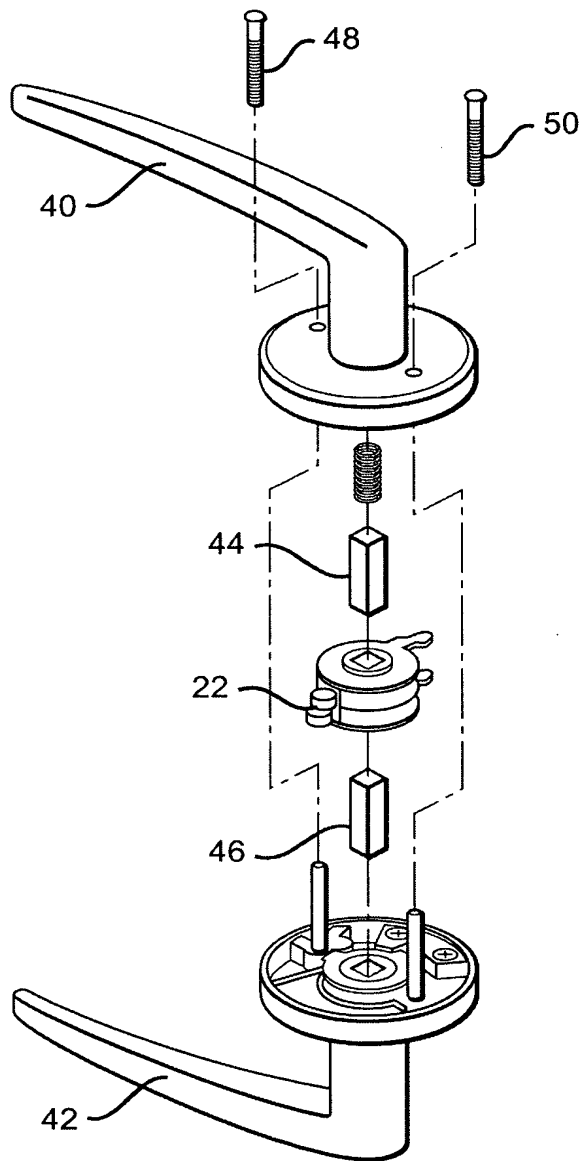


FIG. 3

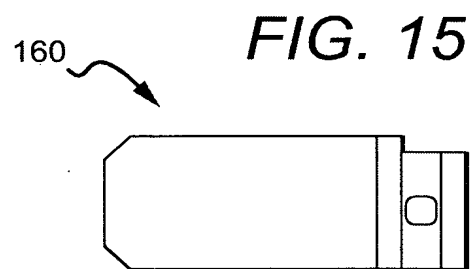


FIG. 15

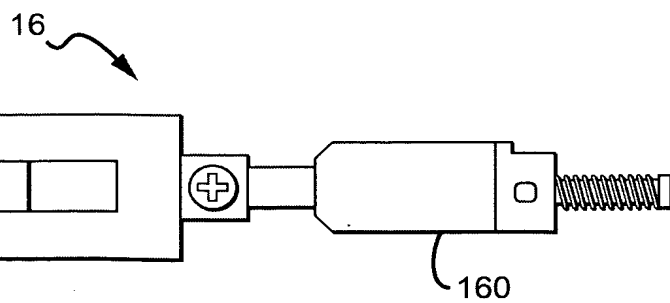


FIG. 14

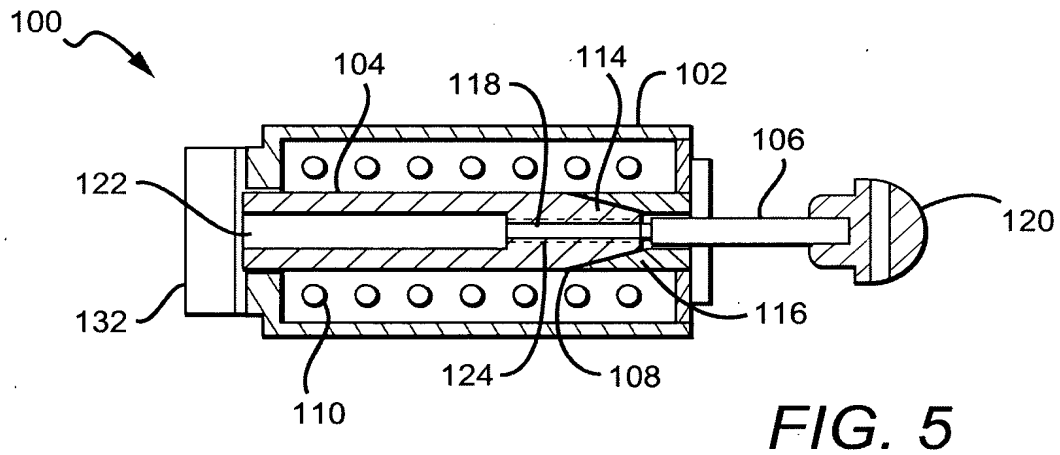
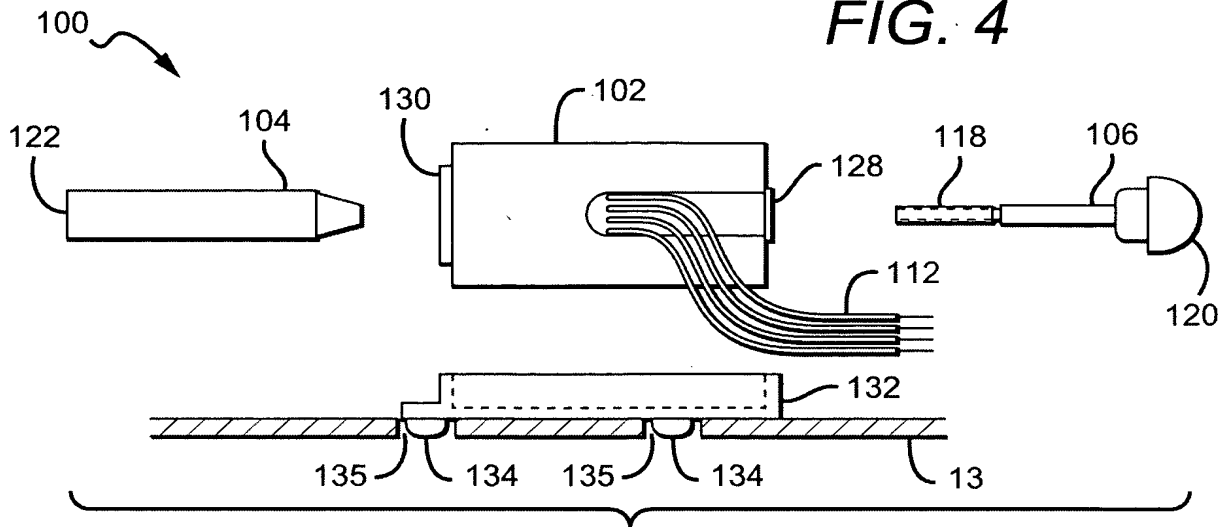
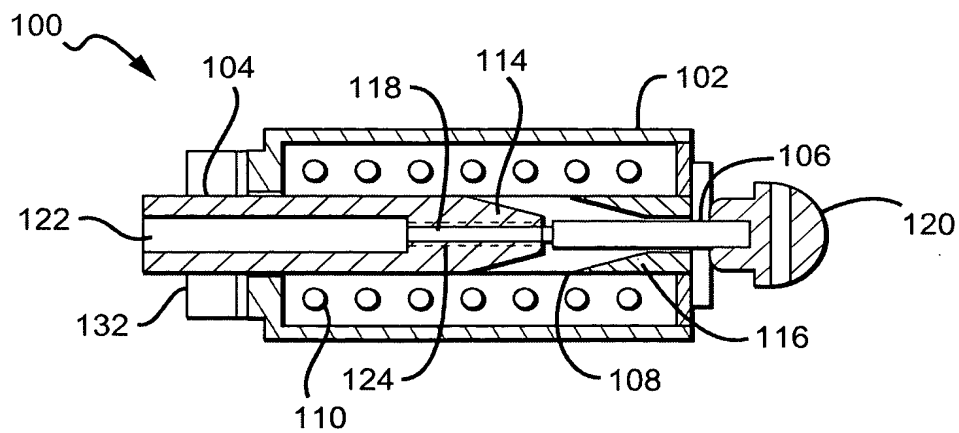
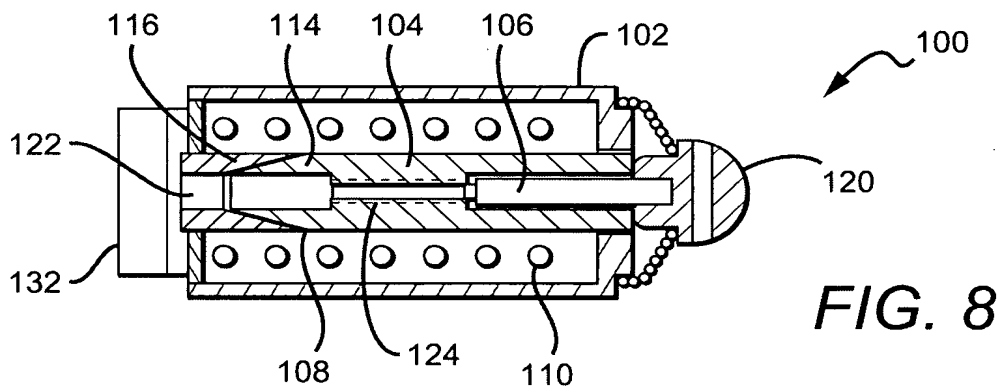
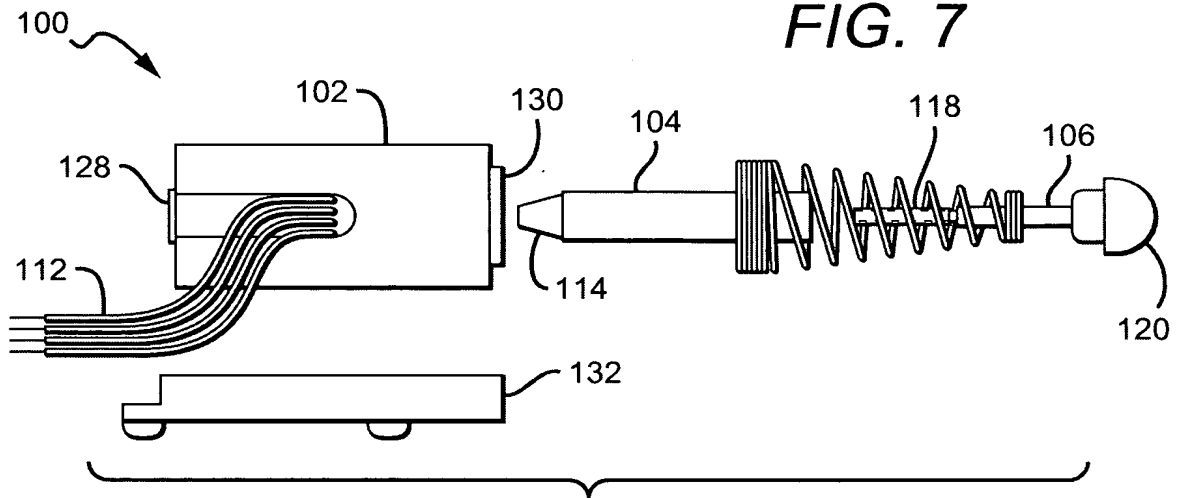
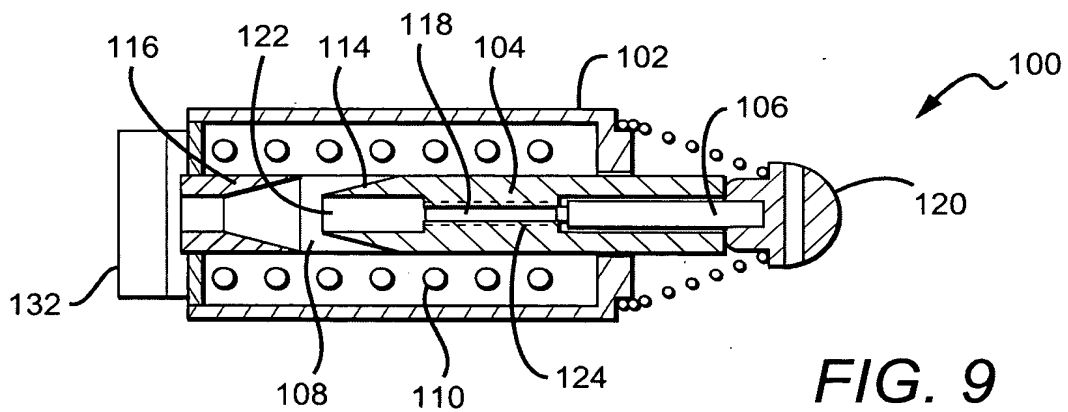
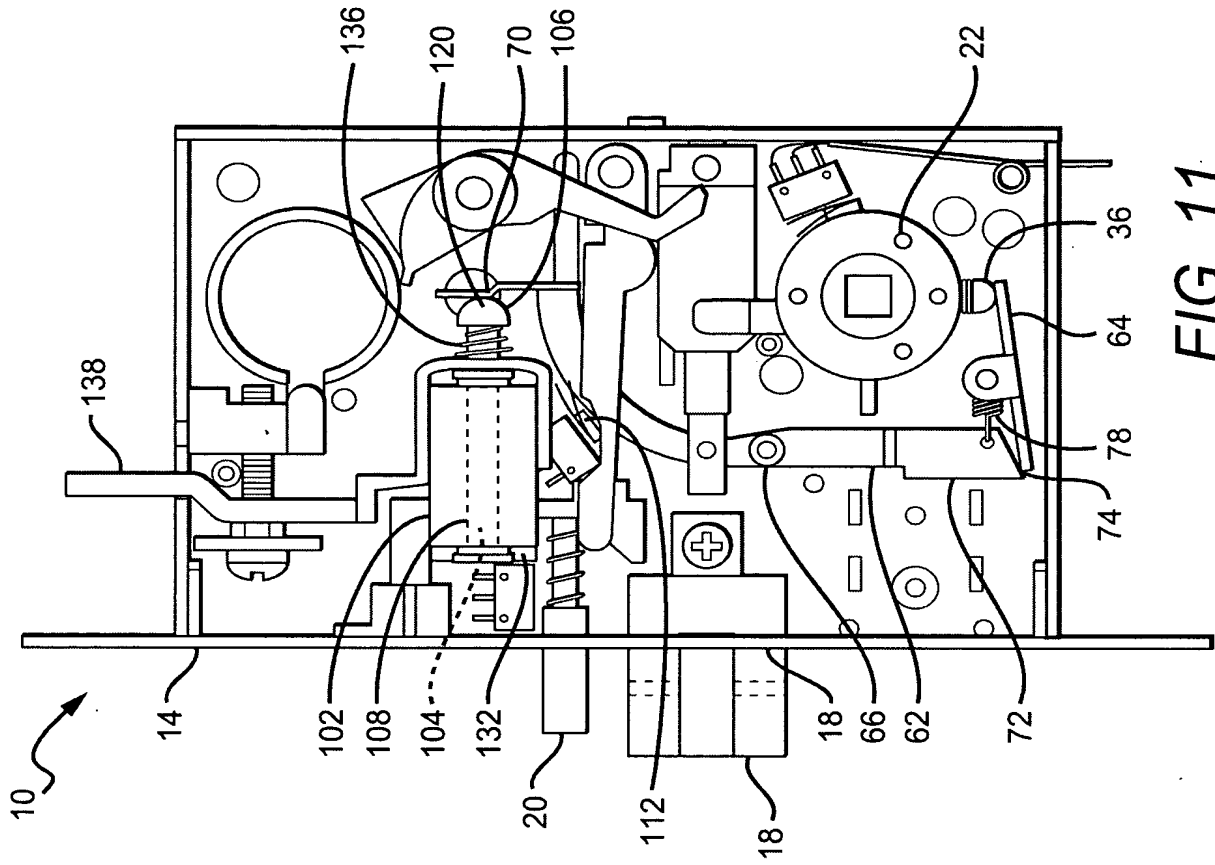
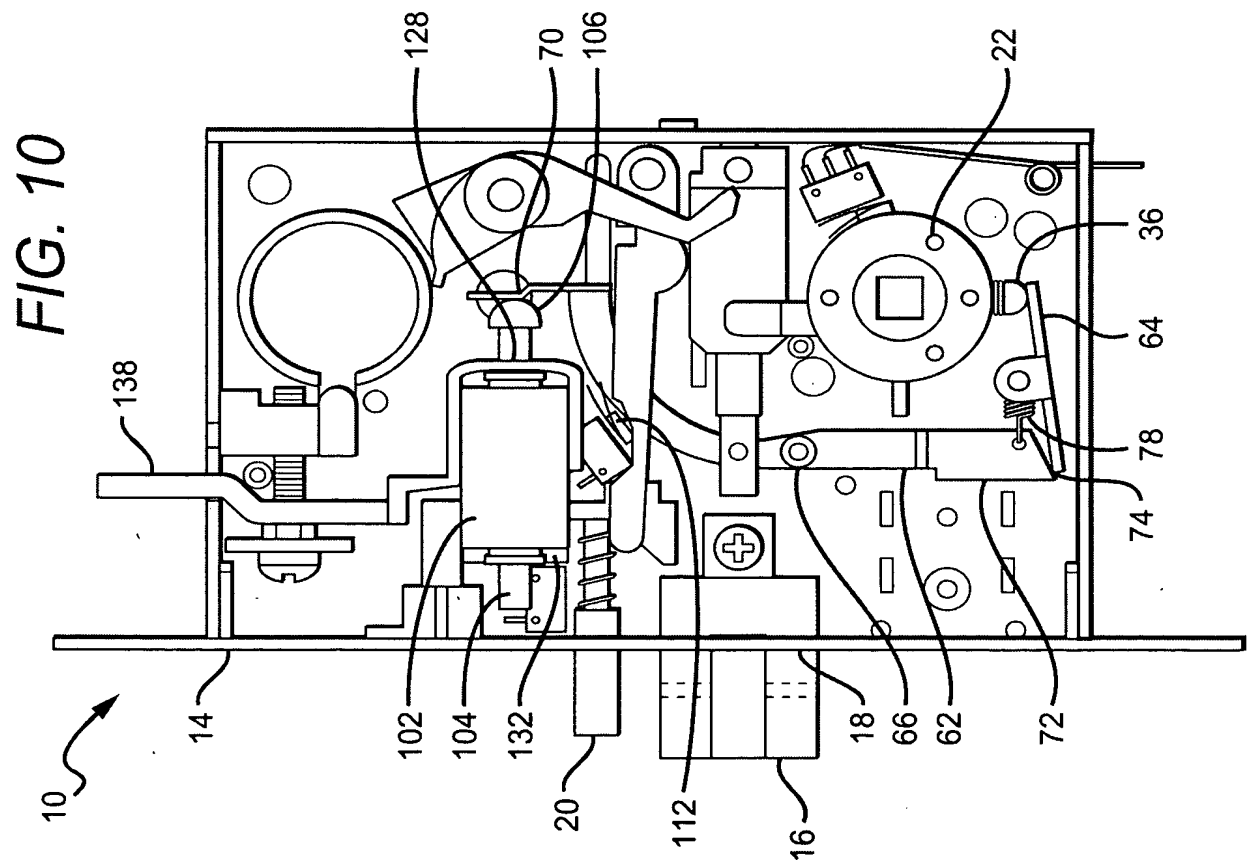
FIG. 4**FIG. 5****FIG. 6**

FIG. 7**FIG. 8****FIG. 9**



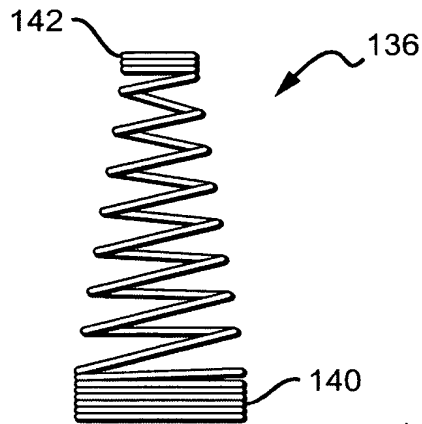
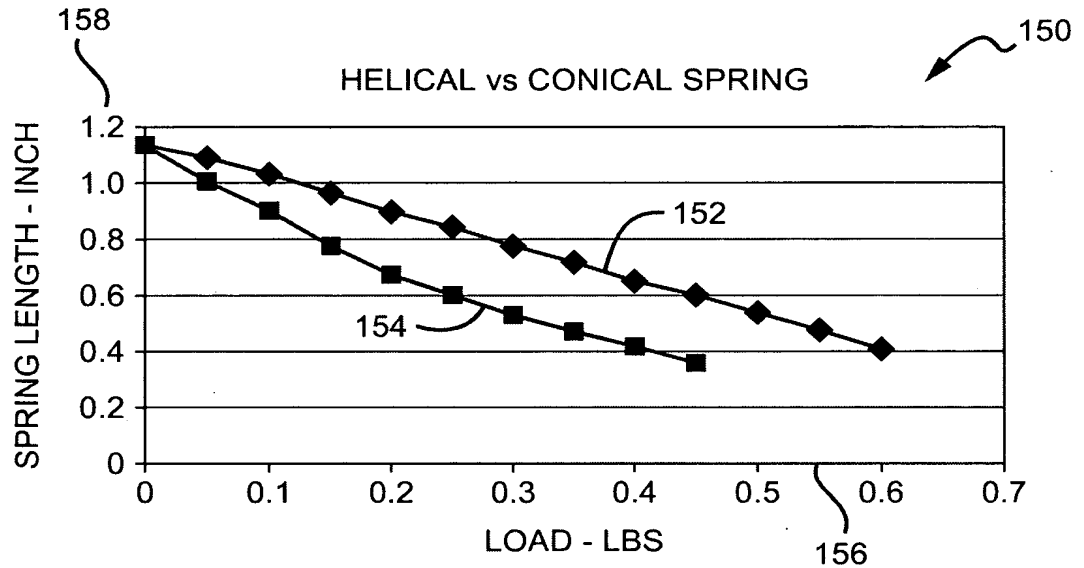


FIG. 12



LOAD LBS	HELICAL SPRING	CONICAL SPRING
0	1.12	1.12
0.05	1.06	1.01
0.1	1.02	0.89
0.15	0.96	0.77
0.2	0.9	0.68
0.25	0.84	0.6
0.3	0.78	0.53
0.35	0.72	0.47
0.4	0.65	0.42
0.45	0.59	0.38
0.5	0.54	
0.55	0.47	
0.6	0.41	

—◆— HELICAL SPRING
—■— CONICAL SPRING

FIG. 13